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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

OMURA et al.

Appln. No. 09/914,286

Filed: August 24, 2001



Confirmation No.: 2354

Atty. Ref.: 468-30

T.C. / Art Unit: 1652

Examiner: N.T. Nashed

FOR: AVERMECTIN AGLYCON SYNTHASE GENES

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INFORMATION DISCLOSURE STATEMENT

June 18, 2004

Mail Stop Amendment

U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Further to the Information Disclosure Statement filed May 15, 2003, attached are Forms PTO-1449 listing the enclosed documents. The Search Report dated May 14, 2004 was issued in a related application EP00905297.8 not more than three months ago. The Applicants respectfully submit that some of those references have been already made of record.

This Information Disclosure Statement (IDS) is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under 37 CFR § 1.97(f), to enable Applicants to comply fully. In particular, if any of the listed documents are missing or incomplete, please contact the undersigned who will provide another copy.

As provided by 37 CFR §§ 1.97(g) and (h), no inference should be made that this information and the listed references are prior art merely because they have been submitted for consideration. Furthermore, no representation is being made that a search has been conducted or that this statement encompasses all possible material information.

Consideration of the foregoing and enclosures, as well as the return of a copy of the Form PTO-1449 with the Examiner's initials per MPEP § 609, are earnestly solicited. The Examiner is invited to contact the undersigned if any further information is needed.

Respectfully submitted,

NIXON & VANDERHYE P.C.

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INFORMATION DISCLOSURE
CITATION

ATTY. DOCKET NO.

APPLN. NO.

468-30

09/914,286

APPLICANT

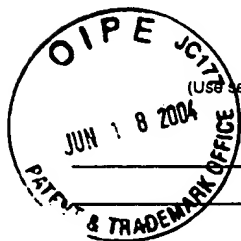
OMURA et al.

FILING DATE

GROUP

August 24, 2001

1652



(Use several sheets if necessary)

FOREIGN PATENT DOCUMENTS

| | DOCUMENT | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|----------|-------------|---------|--------|----------|-------------|----|
| | | | | | | YES | NO |
| | AR | WO 01/09155 | 02/2001 | WIPO | | | |
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

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| DR | Bevitt et al. "6-deoxyerythronolide-B synthase 2 from <i>Saccharopolyspora erythraea</i> " XP-001005944 Eur. J. Biochem. 204:39-49 (1992) |
| ER | Cortes et al. "An unusually large multifunctional polypeptide in the erythromycin-producing polyketide synthase of <i>Saccharopolyspora erythraea</i> " XP-002035889 Nature 348:176-178 (1990) |
| FR | Database Accession No. AB032367 XP-0022769974 (1999) |
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| JR | Donadio et al. "Modular organization of genes required for complex polyketide biosynthesis" XP-002035890 Science 252:675-679 (1991) |
| KR | Ikeda "Genetic analysis of biosynthesis of polyketide anthelmintic macrolide avermectin in <i>Streptomyces avermitilis</i> " XP-001180664 Actinomycetol. 13:94-112 (1999) |
| LR | Ikeda et al. "Control of avermectin biosynthesis in <i>Streptomyces avermitilis</i> " XP-009029162 J. Antibiotics 48:549-562 (1995) |
| MR | Motamedi et al. "The biosynthetic gene cluster for the macrolactone ring of the immunosuppressant FK506" XP-000906738 Eur. J. Biochem. 256:528-534 (1998) |
| NR | Omura et al. "Selective production of specific components of avermectins in <i>Streptomyces avermitilis</i> " XP-009029161 J. Antibiotics 44:560-563 (1991) |
| OR | Pang et al. "Production of 6,8a-seco-6,8a-deoxy derivatives of avermectins by a mutant strain of <i>Streptomyces avermitilis</i> " XP-009029187 J. Antibiotics 48:59-66 (1995) |
| PR | Swan et al. "Characterisation of a <i>Streptomyces antibioticus</i> gene encoding a type I polyketide synthase which has an unusual coding sequence" XP-002087278 Mol. Gen. Genet. 242:358-362 (1994) |
| QR | European Search Report for European Appln. No. 00905297.8 dated May 14, 2004 |
| RR | |
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| *Examiner | |